MODELS

Compaq Promise® FastTrak100™ TX2 ATA/100 Dual Channel RAID Controller
238051-B21

OVERVIEW

The Compaq Promise FastTrak100TX2 ATA/100 Dual Channel RAID Controller offers a low-cost, high-performance, high-capacity storage solution that provides maximum protection against data loss and maximum uptime if a hard drive fails. The FastTrak TX2 Dual Channel RAID controller targets professional workstation and desktop users running audio/visual, desktop video, and CAD applications. Virtually every major worldwide drive manufacturer has tested the dependable ATA/100 chipset with high-speed CRC (Cyclical Redundancy Checking). The integrated LBA BIOS automatically identifies and optimizes the speed of attached drives for maximum throughput and drive compatibility.

Performance

The FastTrak100 TX2 ATA/100 Dual Channel RAID Controller offers two independent data channels to support a maximum of four ATA/100 drives. With a 66-MHz bus motherboard, the controller achieves outstanding RAID 0 striping with sustained speeds that can reach up to 200 MB/s. The FastTrak100 TX2 ATA/100 Dual Channel RAID Controller protects critical data with faster data transfers under fault-tolerant, two-drive RAID 1 mirroring. The BIOS-level FastBuild™ technology in the controller offers both automatic and manual array setup menus.

NOTE: For maximum performance, one drive per channel is recommended.

Key Benefits

- Offers up to 266-MB/s maximum data transfers (133 MB/s in a 33-MHz slot)
- Supports 66-MHz PCI motherboards for higher data bandwidth (backwards-compatible with 33-MHz PCI bus motherboards)
- Supports hot-swapping of failed drive under RAID 1
- Accepts standard high performance ATA/100 drives
- Boosts overall system performance with burst data transfer rates of up to 100 MB/s from Ultra ATA/100 drives
- Offers Plug-n-Play compatibility for easy installation
- Supports concurrent IDE channel operation to distribute drive workload
- Allows multitasking during disk transfers to increase CPU efficiency
- Utilizes FastBuild technology to create pre-set, application-specific settings for desktops, servers, or audio/visual editing
- Notifies user of possible errors and allows for recovery of mirrored drive arrays directly from FastBuild
- Supports Ultra ATA/100 specifications with 100-MB/s timing and CRC at high speeds
- Provides 32-bit I/O, IDE bus master, and Ultra ATA performance

NOTE: Requires use of SuperSwap™ hot swap chassis available from Promise Technology, Inc.

COMPATIBILITY

The FastTrak100 TX2 ATA/100 Dual Channel RAID Controller is compatible with Compaq Professional Workstation AP230, Compaq *Evo*™ Workstation W4000, and Compaq *Evo* D300 and D500 Desktops, except not supported for *Evo* D300v Microtower or *Evo* D500 Ultra-slim Desktop computers.

SERVICE AND SUPPORT

The FastTrak100 TX2 ATA/100 Dual Channel RAID Controller has a One-year Limited Warranty or the remainder of the warranty of the Compaq product in which it is installed. Technical support is available seven days a week, 24 hours a day by phone, as well as online support forums. Certain restrictions and exclusions apply. Consult the Product Information Center for details.

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SPECIFICATIONS

Drive support	Ultra ATA/100 drives; backwards-compatible with older Ultra ATA and EIDE drives	
Controller data channels	Two independent channels assure maximum performance of each attached drive	
Data transfer rate	Up to 266 MB/s (depending on drive speed, use of multiple drives, and presence of 66-MHz PCI bus)	
RAID levels	RAID 0 striping of up to four drives for performance; RAID 1 mirroring of two drives for fault tolerance; RAID 0+1 striping/mirroring of 4 drives	
Data protection	Mirrors data to second drive or drive pair on-the-fly; allows "hot" swap of a failed drive and rebuilds data in background for continuous computer operation	
PCI bus support	Compatible with 66-MHz PCI motherboards, automatically backward-compatible with 33-MHz	
Disk array support	Supports up to four arrays with different RAID levels; different arrays are selectable and bootable	
Utilities	FastCheck GUI	Monitors the status of FastTrak100 TX2 arrays, attached hard drives, and any installed SuperSwap enclosures in Microsoft® Windows®; warns of drive failure, allows rebuilds of mirrored arrays, synchronizes hard drives
	FastBuild BIOS auto-menu	Provides auto configuration and drive speed optimization; view/create/delete arrays; rebuilds failed arrays
Advanced monitoring	Supports DMI for array monitoring through network, monitors S.M.A.R.T. status of attached hard drives, logs array errors and events to Microsoft Windows NT 4.0/2000/XP event log	
Operating system compatibility	Microsoft Windows 95/98, Microsoft Windows Me, Microsoft Windows XP, Microsoft Windows NT 4.0, Microsoft Windows 2000, Novell® NetWare® 3.12/4.1x/5.x	
Kit contents	Promise FastTrak100 TX2 RAID Card, user manual CD, driver CD	

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